AUTOMATIC ESTABLISHMENT OF NETWORK PERFORMANCE MONITORING COMMUNITIES USING ROUTING PROTOCOLS

ABSTRACT

Techniques are described for monitoring performance of a network. Particularly, network devices within the network exchange routing communications in accordance with one or more routing protocols, such as the Border Gateway Protocol (BGP), to automatically establish a community for monitoring performance throughout the network. Upon establishing the community, the network devices of the community exchange performance probes to collect comprehensive performance information for the network. This performance information may be aggregated via one or more computing devices. Using the aggregated performance information, numerous network performance characteristics may be computed, including delay, jitter, throughput, availability and packet loss.